

CARSON RIVER BASIN, UPPER CARSON RIVER BASIN

10311089 NORTH FORK KINGS CANYON DIVERSION NEAR CARSON CITY, NV

LOCATION.--Lat 39°09'18", long 119°48'58" referenced to North American Datum of 1927, in NE 1/4 NW 1/4 sec. 23, T.15 N., R.19 E., Carson City County, Hydrologic Unit 16050201, on left bank, 2.9 mi west of Carson Street off Kings Canyon Road.

DRAINAGE AREA.--1.83 mi².

PERIOD OF RECORD.--March 1989 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 5,530 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Periodic regulation for municipal use. See schematic diagram of Carson River Basin, Upper Carson River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 5.7 ft³/s, January 7, 1997, maximum gage height, 3.96 ft, January 2, 1997; no flow at times, some years, due to head gate regulation upstream.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4.2 ft³/s, March 29, 30, gage height, 2.74 ft; minimum daily discharge, 0.44 ft³/s, March 13.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.2	0.83	1.2	1.2	1.0	0.79	1.1	0.65	0.95	0.99	0.90	1.0
2	1.2	1.2	1.2	1.2	1.0	0.79	1.1	0.93	0.95	0.96	0.91	1.0
3	1.2	1.2	1.2	0.84	1.0	0.79	0.73	0.95	0.95	0.60	0.91	1.0
4	0.78	1.2	1.2	1.2	1.0	0.77	1.1	0.98	0.96	0.91	0.91	0.68
5	1.2	1.2	1.2	e1.1	1.0	0.75	1.1	1.0	0.65	0.92	0.91	1.0
6	1.2	1.2	0.83	e1.1	1.0	0.49	1.1	1.0	0.99	0.91	0.91	1.0
7	1.2	1.3	1.2	e1.1	0.71	0.76	1.1	1.0	1.0	0.91	0.58	1.0
8	1.2	0.91	1.2	0.93	0.99	0.77	1.1	0.68	0.99	0.92	0.95	1.0
9	1.2	1.3	1.2	0.95	0.99	0.75	1.1	0.96	1.0	0.91	0.95	1.1
10	1.2	1.3	1.2	0.65	0.99	0.74	0.71	0.99	1.0	0.56	0.95	1.1
11	0.76	1.3	1.2	0.93	0.98	0.75	0.91	0.99	1.0	0.90	0.95	0.69
12	1.1	1.3	1.2	0.95	0.99	0.75	0.94	0.99	0.65	0.91	0.95	1.1
13	1.1	1.3	0.83	0.99	0.99	0.44	0.95	0.99	1.0	0.91	0.95	1.1
14	1.1	1.3	1.1	1.0	0.69	0.74	1.0	0.89	1.0	0.90	0.61	1.1
15	1.1	0.87	1.1	1.0	0.95	0.79	1.1	0.54	1.0	0.91	0.95	1.1
16	1.1	1.2	1.2	1.0	0.71	0.79	1.1	0.81	0.99	0.92	0.95	1.1
17	1.1	1.2	1.2	0.70	0.54	0.79	0.74	0.83	0.98	0.58	0.95	1.1
18	0.79	1.2	1.2	1.0	0.96	0.77	0.95	0.85	0.99	0.90	0.96	0.69
19	1.1	1.2	1.2	1.0	0.95	0.77	0.95	0.87	0.65	0.91	1.0	1.1
20	1.1	1.3	0.83	1.0	0.89	0.48	0.96	0.87	0.98	0.91	1.0	1.1
21	1.1	1.3	1.1	1.0	0.60	0.75	0.98	0.87	0.99	0.91	0.66	1.1
22	1.1	0.95	1.1	1.0	0.87	0.76	0.97	0.58	0.99	0.91	0.99	1.1
23	1.1	1.3	1.1	1.0	0.87	0.75	0.95	0.79	1.00	0.91	1.0	1.1
24	1.1	1.2	1.2	0.70	0.85	0.75	0.67	0.79	0.98	0.58	1.0	1.1
25	0.80	1.2	1.2	1.0	0.84	0.75	0.95	0.79	0.97	0.91	1.0	0.71
26	1.1	1.2	e1.2	1.0	0.83	0.75	0.95	0.79	0.62	0.91	1.0	1.0
27	1.2	1.2	e0.83	1.0	0.83	0.49	0.96	0.79	0.97	0.91	1.0	1.0
28	1.2	1.2	e1.2	1.0	0.56	0.79	0.95	0.82	0.99	0.91	0.65	1.0
29	1.2	0.83	1.2	1.0	0.79	1.8	0.95	0.60	0.98	0.91	1.0	1.0
30	1.2	1.2	1.2	1.0	---	2.3	0.95	0.95	0.99	0.91	1.0	1.1
31	1.2	---	1.2	0.71	---	1.1	---	0.95	---	0.56	1.0	---
TOTAL	34.23	35.39	35.22	30.25	25.37	25.46	29.12	26.49	28.16	26.67	28.45	30.27
MEAN	1.10	1.18	1.14	0.98	0.87	0.82	0.97	0.85	0.94	0.86	0.92	1.01
MAX	1.2	1.3	1.2	1.2	1.0	2.3	1.1	1.0	1.0	0.99	1.0	1.1
MIN	0.76	0.83	0.83	0.65	0.54	0.44	0.67	0.54	0.62	0.56	0.58	0.68
AC-FT	68	70	70	60	50	50	58	53	56	53	56	60

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1989 - 2004, BY WATER YEAR (WY)

MEAN	1.25	1.60	1.41	1.26	1.14	1.25	1.28	1.26	1.63	1.63	1.38	1.13
MAX	3.31	3.69	3.05	3.15	2.52	3.08	3.17	3.77	4.65	4.50	3.25	2.66
(WY)	(1999)	(1996)	(1997)	(1998)	(1998)	(1999)	(1997)	(1997)	(1996)	(1996)	(1995)	(1996)
MIN	0.32	0.28	0.29	0.29	0.33	0.38	0.22	0.17	0.23	0.23	0.20	0.26
(WY)	(1992)	(1993)	(1992)	(1992)	(1992)	(1992)	(1989)	(1992)	(1992)	(1992)	(1992)	(1992)

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR				FOR 2004 WATER YEAR				WATER YEARS 1989 - 2004			
ANNUAL TOTAL	366.99				355.08				1.37			
ANNUAL MEAN	1.01				0.97				2.90			
HIGHEST ANNUAL MEAN									1996			
LOWEST ANNUAL MEAN									0.31			
HIGHEST DAILY MEAN	2.3				Mar 14				5.7			
LOWEST DAILY MEAN	0.52				May 24				Jan 7, 1997			
ANNUAL SEVEN-DAY MINIMUM	0.76				May 20				0.00			
ANNUAL RUNOFF (AC-FT)	728				704				Mar 8			
10 PERCENT EXCEEDS	1.2				1.2				May 17, 1992			
50 PERCENT EXCEEDS	0.98				0.99				3.1			
90 PERCENT EXCEEDS	0.76				0.71				0.96			
									0.31			